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TITLE: Method for manufacturing a modified coating preparation for seeds

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INT. PATENT CLASSIF.:

MAIN: A01N025-10

CLASSIFICATION: 5-3 (Agrochemical Bioregulators)

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PATENT INFORMATION:

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ABSTRACT:

The seed-coating preparation is based on hydrolysis products of polyacrylonitrile or

acrylonitrile copolymers, is permeable to water and air, and contains nutrients and microelements which promote seed germination. Thus, hydrolyzates of acrylonitrile copolymer fibers (such as Anilana acrylic fibers) are mixed with 10-200% by weight of brown coal ash which may contain Ca, Mg, or Fe salts and microelements such as Cu, Mn, Co or V.

SUPPL. TERM: seed coating polyacrylonitrile acrylonitrile copolymer

INDEX TERM: Acrylic fibers, biological studies

ROLE: AGR (Agricultural use); IMF (Industrial manufacture);

BIOL (Biological study); PREP (Preparation); USES (Uses)

(Anilana; seed coating preps. containing polyacrylonitrile or acrylonitrile copolymer hydrolyzates)

INDEX TERM: Seed

(coating preps. containing polyacrylonitrile or acrylonitrile copolymer hydrolyzates)

INDEX TERM: Ashes (residues)

(brown-coal, in seed coating preps. containing polyacrylonitrile or acrylonitrile copolymer hydrolyzates)

INDEX TERM: 7439-89-6DP, Iron, salts 7439-95-4DP, Magnesium, salts

7439-96-5P, Manganese, biological studies 7440-48-4P,

Cobalt, biological studies 7440-50-8P, Copper, biological

studies 7440-62-2P, Vanadium, biological studies

7440-70-2DP, Calcium, salts

ROLE: AGR (Agricultural use); IMF (Industrial manufacture);

BIOL (Biological study); PREP (Preparation); USES (Uses)

(in seed coating preps. containing polyacrylonitrile or acrylonitrile copolymer hydrolyzates)

INDEX TERM: 107-13-1DP, Acrylonitrile, copolymers, hydrolysis products

25014-41-9DP, Polyacrylonitrile, hydrolysis products

ROLE: AGR (Agricultural use); IMF (Industrial manufacture);

BIOL (Biological study); PREP (Preparation); USES (Uses)

(seed coating preps. containing polyacrylonitrile or acrylonitrile copolymer hydrolyzates)